

Overview of Klamath Basin Monitoring Efforts

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Current Monitoring.

- Eleven water quality monitoring sites within the basin
 - Klamath River
 - 7 sites which range from the Klamath River below Iron Gate Res to Klamath River at Klamath Glen (including Shasta R, Scott R, and Salmon R. at mouths)
 - 4 sites on the Trinity River from at Lewiston to the mouth at Weitchpec.

Current Monitoring cont'd.

Each of these sites is visited four times per year
(Feb, May, Aug, Nov)

Collect samples for:

- Physicals – D.O., pH, EC, temperature
- Nutrients – (total ammonia, total phosphorus, etc...)
- Minerals – (calcium, magnesium, etc...)
- Low level metals (aluminum, arsenic, lead, total mercury, etc.)

Current Monitoring cont'd

- Continuous water temperature
 - 24 minute intervals using Onset temperature loggers installed at each site

Data availability

- This data is part of our program to provide long term water quality data for trend analysis (no current analysis done by DWR)
- Data from this study is available via our online Water Data Library (WDL) found at www.wdl.water.ca.gov

Additional data

■ Shasta River Study

- Monthly sampling which began in November 2000, ended in March 2002.
- Selected 19 monitoring sites (including tributaries)
 - Physicals, nutrients, minerals, metals, bacteria (total and fecal), benthic macroinvertebrates, gravel samples
 - 15 minute temperature data at all sites except
 - Lake Shastina – monthly profiles

Additional Data cont'd

- Currently compiling and analyzing this Shasta River data.
- Finished report expected in the next few months

Wrap up

- DWR's Water Quality and Biology Section very interested in broadening our scope of work in the Klamath watershed
 - Small scale – Shasta River study
 - Larger scale – basin wide study
- Funding???